KEVIN PETER REDMOND
PATENT ATTORNEY

PATENTS, TRADEMARKS, AND COPYRIGHTS

6960 SW GATOR TRAIL PALM CITY, FL 34990

(772) 221-1105

In Re Application of: Radha Setty

S/N: 10/082,717

Entitled: DIRECTIONAL COUPLER

Filing Date: 05-26-2002

Art Unit: 2822 Examiner: Soward RECEIVED
CENTRAL FAX CENTER

MAR 1 9 2004

OFFICIAL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Letter Regarding Withdrawal of Claims

03-17-04 / 967AG
Mail Stop - Non Fee Amendment
Commissioner of Patents
PO Box 1450
Alexandria, VA 22313-1450
Fax: (703)672-9306

Sir:

Please find enclosed a copy of an Election and Response dated 07-28-03 indicating that claims 18-23 are to be withdrawn whereby "applicants reserve the right to submit a divisional application to the unelected invention of group two, claims 18-23 drawn to a process of making a product".

Also enclosed, please find Pages 8 and 9 of the Amendment and Response dated 12-10-03 whereby claims 18-23 are (previously withdrawn).

We now believe this application to be acceptable for continuance of examination and allowed tor issue.

Respectfully.

Attorney for the Applicant

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313; on

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In RE:

Serial no.:

10/082,717 02/26/2002

Filing date: For:

Low Cost Coupler

Inventor:

Setty 967AG

Atty. Docket no.: Group Art Unit:

2822

Group Art Unit: Examiner:

Thomas

Mail Stop Non-Fee Amendment Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Election and Response

Dear Sir:

This is in response to the Office Action dated 07/15/2003.

Restriction Requirement:

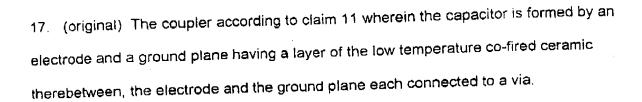
Applicants elect with traverse to prosecute the invention of group one, claims 1-17 and 24-35 drawn to a product.

Applicants reserve the right to submit a divisional application on the unelected invention of group two, claims 18-23 drawn to a process of making a product.

Respectfully submitted,

Kein Redmond

Kevin Redmond Reg. No. 27,049



- 18. (previously withdrawn) A method of manufacturing a coupler comprising the steps of:
- a) providing a plurality of layers of low temperature co-fired ceramic;
- b) punching a plurality of holes in the low temperature co-fired ceramic layers;
- c) filling the holes with a conductive material to form a plurality of vias;
- d) screening a plurality of circuit features onto the layers;
- e) stacking the layers;
- f) firing the stacked layers in an oven to form a unitary substrate; and
- g) attaching a transformer to the substrate.
- 19. (previously withdrawn) The method according to claim 18 wherein the circuit features are chosen from the group consisting of:
- a) resistors;
- b) capacitors;
- c) circuit lines;
- d) ground planes;
- e) terminals; and
- f) resistor overglaze.

- 21. (previously withdrawn) The method according to claim 18 wherein the transformer is attached to the substrate using an adhesive.
- 22. (previously withdrawn) The method according to claim 18 wherein the transformer has a binocular core, the windings wound around the core so as to form an input port, a coupled port, an output port and a terminated port.
- 23. (previously withdrawn) The method according to claim 18 wherein the substrate is attached to a printed circuit board, further comprising the steps of:
- a) screening a solder paste onto a bottom surface terminal;
- b) placing the substrate onto the printed circuit board; and
- c) reflowing the solder paste such that the substrate is attached to the printed circuit board.